

(a)

	1073	1408	1409	1629	1635	2729
HCV consensus	C	T	S	A	V	R
g1a	C	V(t/s)	A(t/s/a)	A	V(i/t)	Q/R
g1b	C	S(t/v)	G(a/s)	A	V(i)	Q(r)
g2	S(c/t)	R	G(a/m)	A(s/p)	V(i/t)	V(i/m)
g3	T	R	G	P(p/a)	I(t/v)	R/K
g4	A	T(s/k)	S(a)	S(a/p)	V	R(k)
g5a	C	T	G/S	A	I	R
g6	S/T(a/c/)	T(R/K)	S(t/a/m/n)	A(s/p)	I(v)	T(k/e/r)

(b)

Allele	Sequence	IC50 nM
HLA-B*07:02	GPVTNEVTL	802.78
HLA-B*07:02	GPVTNEITL	1303.25
HLA-B*07:02	GAVQNEVIL	16577.4
HLA-B*07:02	GAVQNEITL	17209.1
HLA-B*35:01	GPVTNEITL	424.32
HLA-B*35:01	GPVTNEVTL	612.42
HLA-B*35:01	GAVQNEITL	1905.7
HLA-B*35:01	GAVQNEVTL	2541.99
HLA-B*53:01	GPVTNEITL	617.42
HLA-B*53:01	GPVTNEVTL	657.37
HLA-B*53:01	GAVQNEITL	9400.14
HLA-B*53:01	GAVQNEVTL	9655.16
HLA-B*54:01	GPVTNEVTL	9432.03
HLA-B*54:01	GPVTNEITL	11090.6
HLA-B*54:01	GAVQNEVTL	33098.5
HLA-B*54:01	GAVQNEITL	33761.3